

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015383.D
 Acq On : 30 Aug 2023 17:24
 Operator : SY/MD
 Sample : 04221-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 31 01:02:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 22:47:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

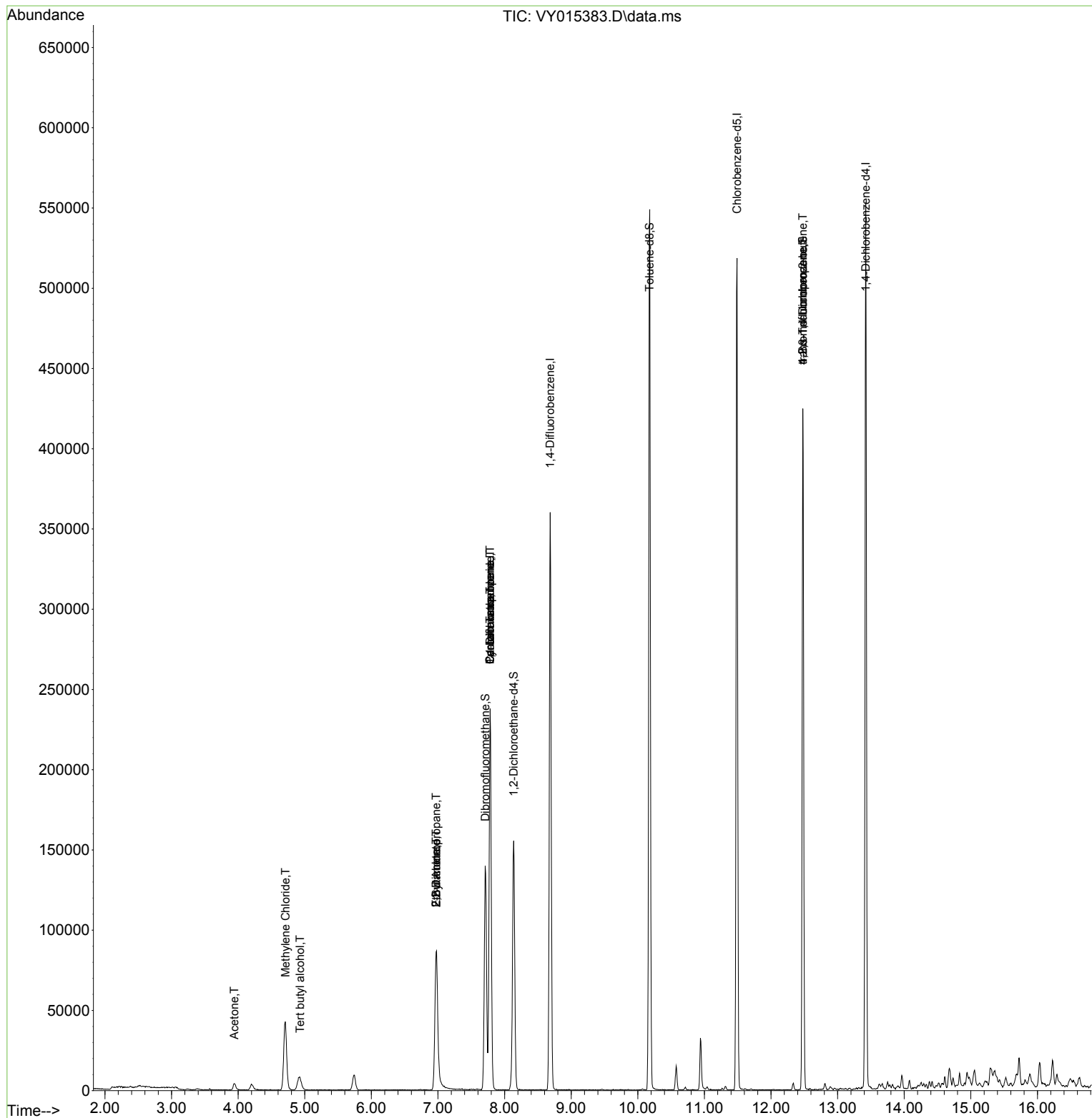
Internal Standards						
1) Pentafluorobenzene	7.783	168	179835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119490	61.982	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.960%	
35) Dibromofluoromethane	7.710	113	97786	55.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.640%	
50) Toluene-d8	10.179	98	364752	56.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.960%	
62) 4-Bromofluorobenzene	12.477	95	122185	51.414	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	9215	20.615	ug/l #	90
16) Acetone	3.942	43	7461	9.272	ug/l	97
20) Methylene Chloride	4.710	84	32939	7.338	ug/l	89
25) 2-Butanone	6.972	43	4956	4.343	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	6755	2.210	ug/l #	54
31) Cyclohexane	7.783	56	3968	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14073	4.534	ug/l #	50
37) Ethyl Acetate	6.972	43	4956	2.070	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18440	5.752	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	67349	37.416	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67349	82.197	ug/l #	11

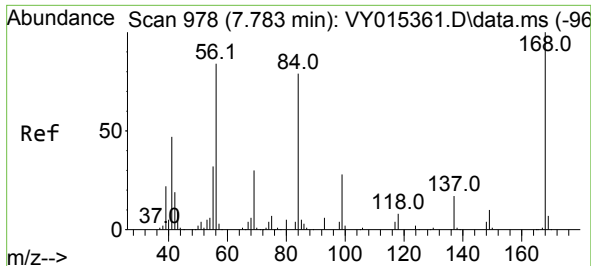
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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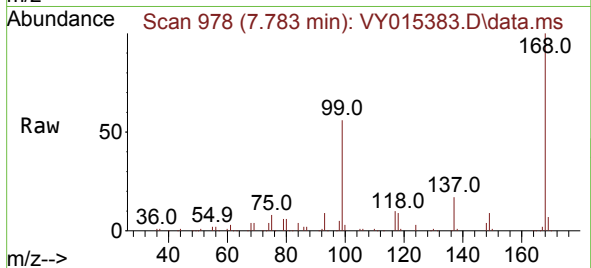
Quant Time: Aug 31 01:02:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 22:47:33 2023
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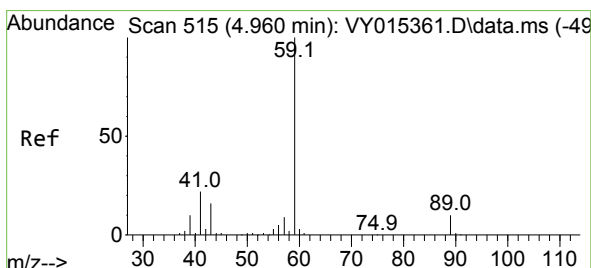
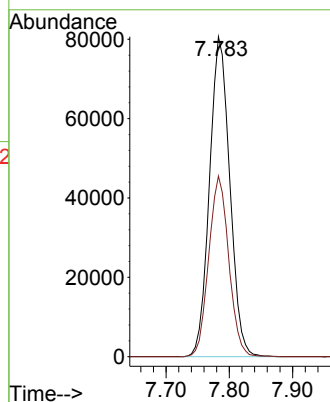
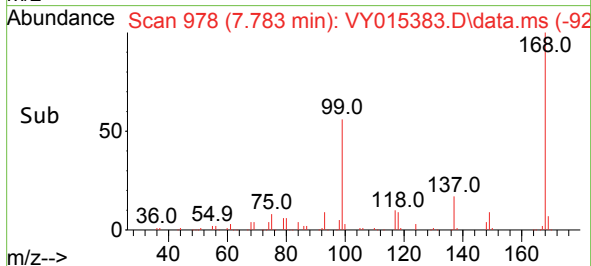


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

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MSVOA_Y
ClientSampleId :

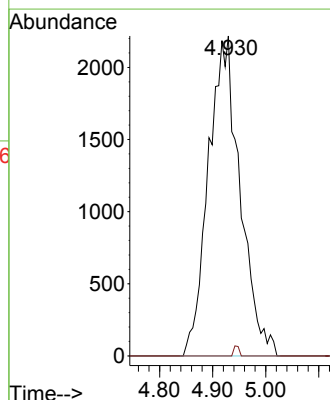
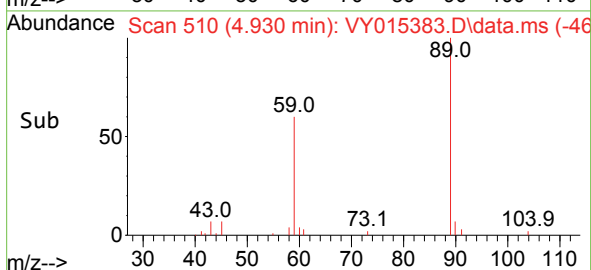
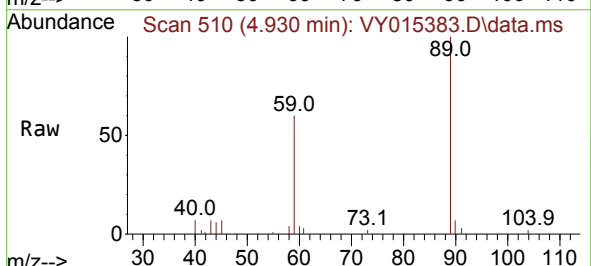


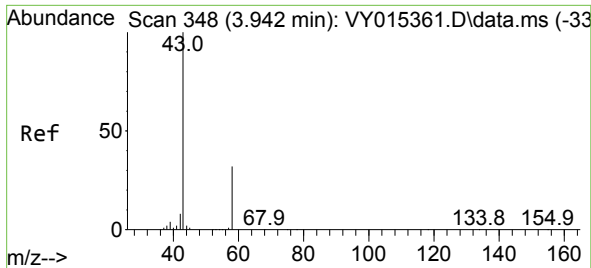
Tgt Ion:168 Resp: 179835
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 20.615 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Tgt Ion: 59 Resp: 9215
Ion Ratio Lower Upper
59 100
57 0.5 3.0 4.4#





#16

Acetone

Concen: 9.272 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

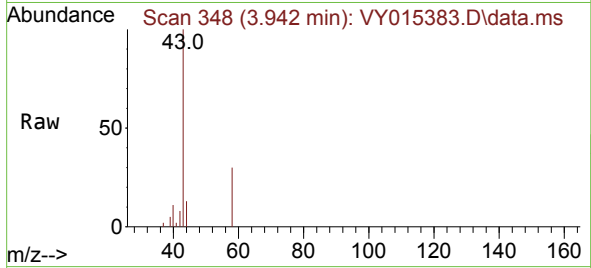
Lab File: VY015383.D

Acq: 30 Aug 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

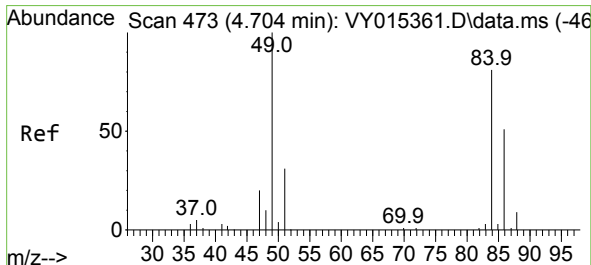
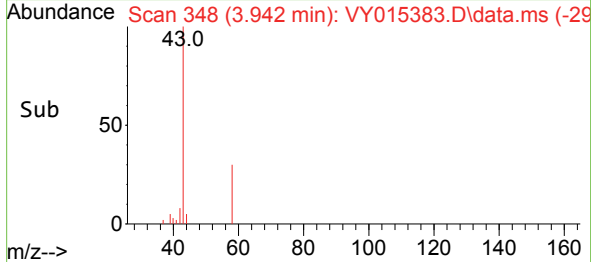
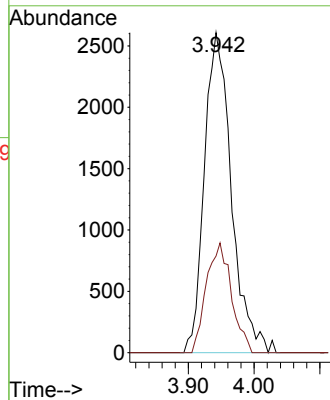


Tgt Ion: 43 Resp: 7461

Ion Ratio Lower Upper

43 100

58 30.2 22.7 34.1



#20

Methylene Chloride

Concen: 7.338 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015383.D

Acq: 30 Aug 2023 17:24

Tgt Ion: 84 Resp: 32939

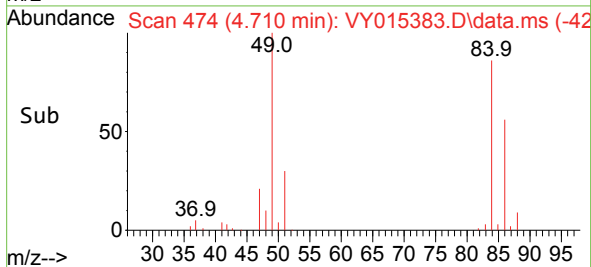
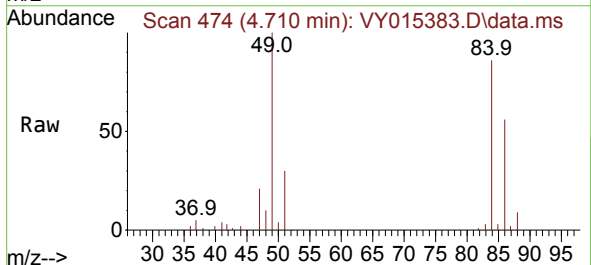
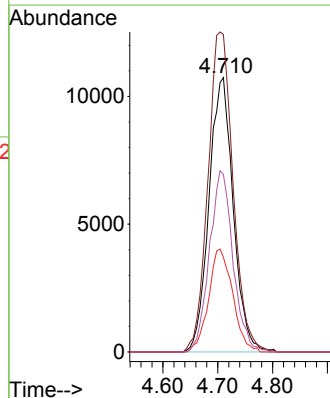
Ion Ratio Lower Upper

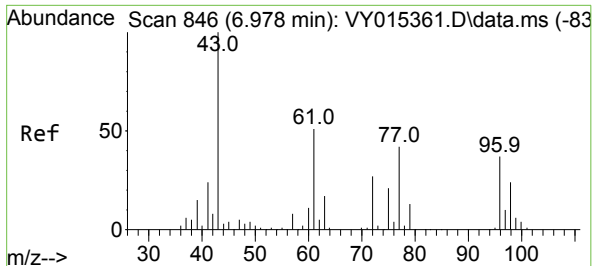
84 100

49 115.8 106.9 160.3

51 34.5 33.2 49.8

86 64.6 51.0 76.6





#25

2-Butanone

Concen: 4.343 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

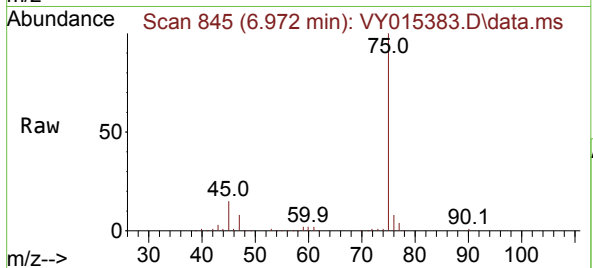
Lab File: VY015383.D

Acq: 30 Aug 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

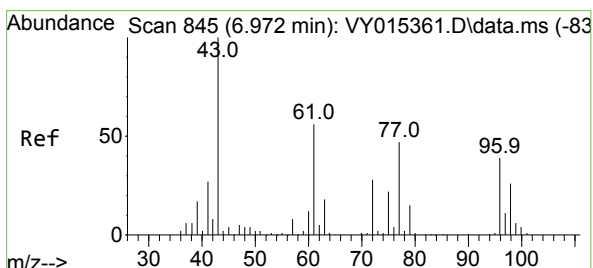
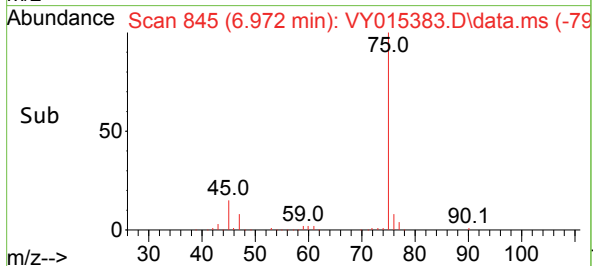
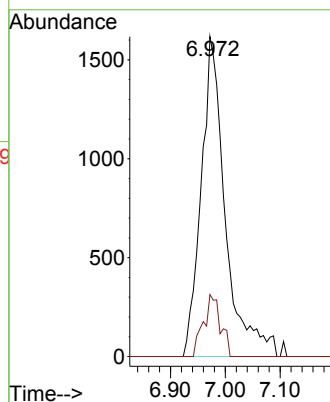


Tgt Ion: 43 Resp: 4956

Ion Ratio Lower Upper

43 100

72 19.4 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.210 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY015383.D

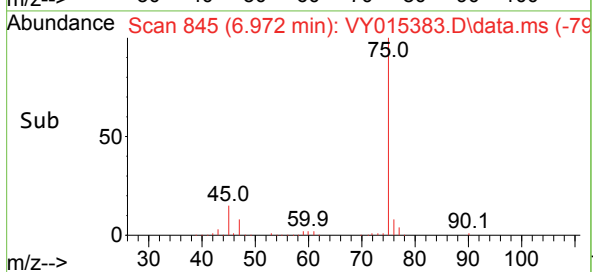
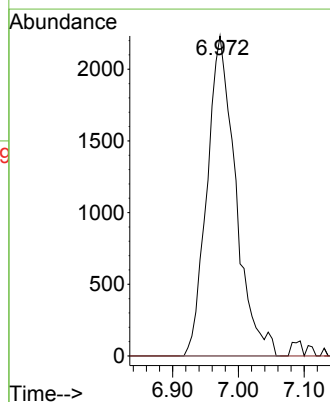
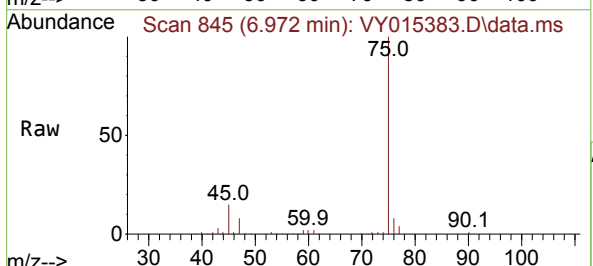
Acq: 30 Aug 2023 17:24

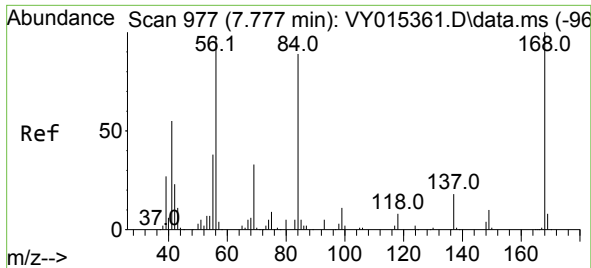
Tgt Ion: 77 Resp: 6755

Ion Ratio Lower Upper

77 100

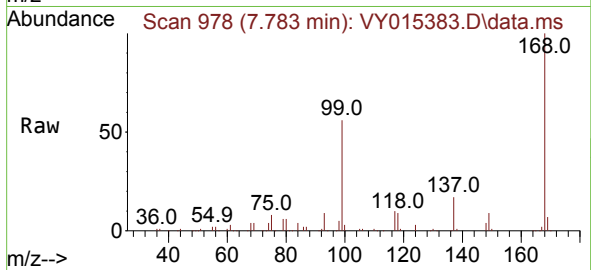
97 0.0 10.9 32.9#



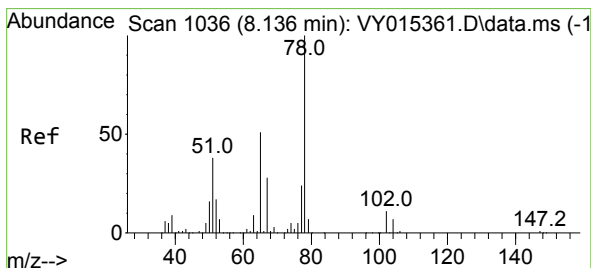
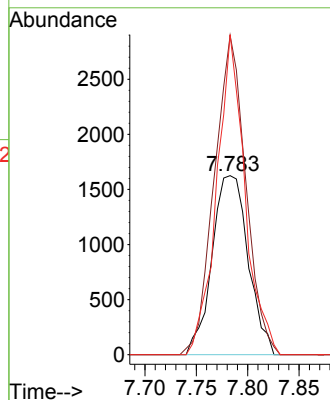
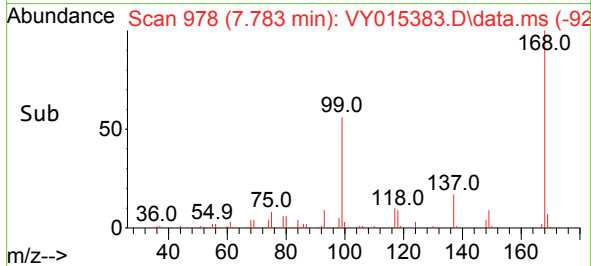


#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :

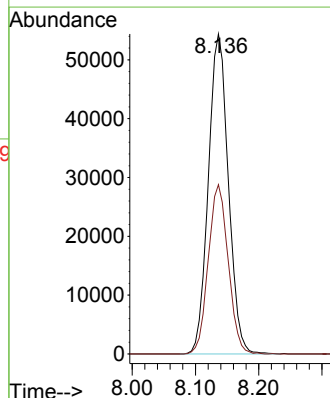
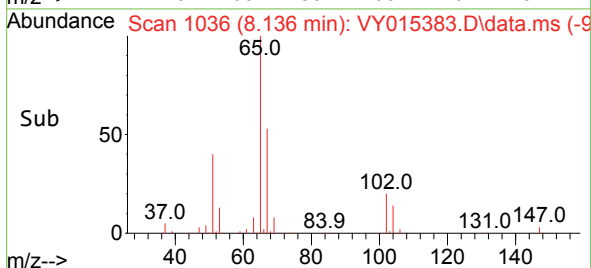
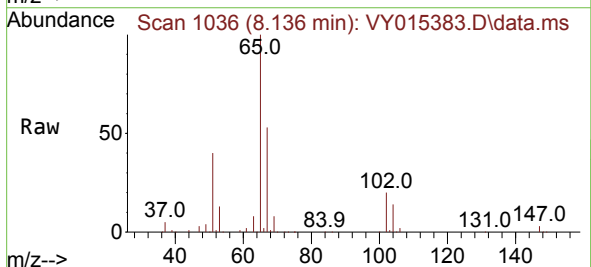


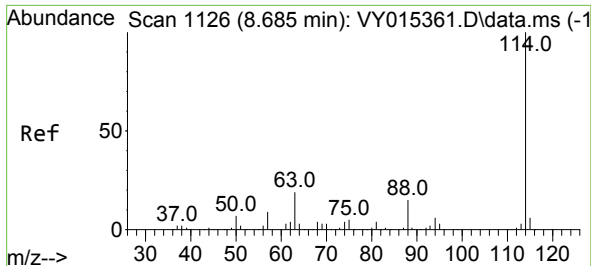
Tgt Ion: 56 Resp: 3968
Ion Ratio Lower Upper
56 100
69 178.3 27.8 41.6#
84 178.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.982 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Tgt Ion: 65 Resp: 119490
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8

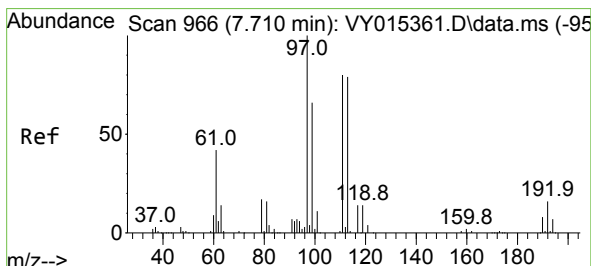
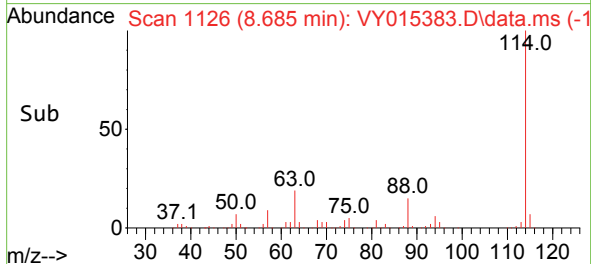
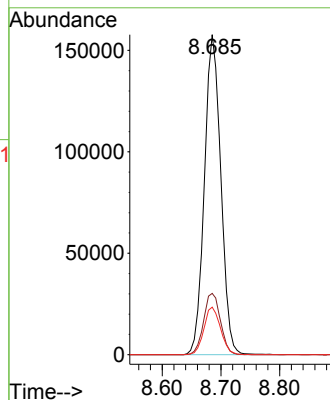
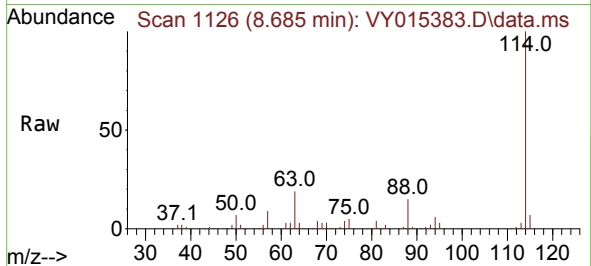




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

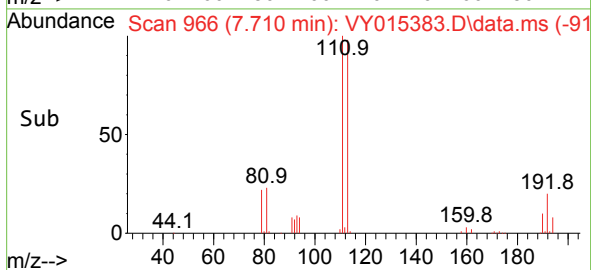
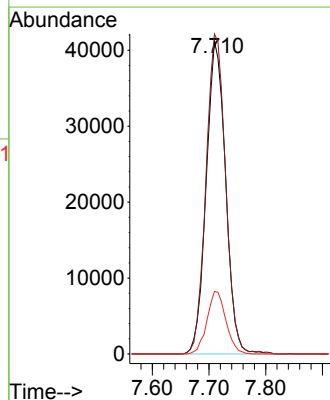
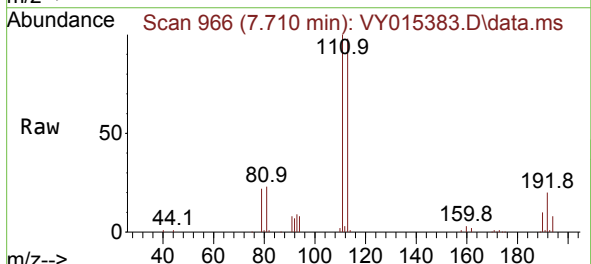
Instrument :
MSVOA_Y
ClientSampleId :

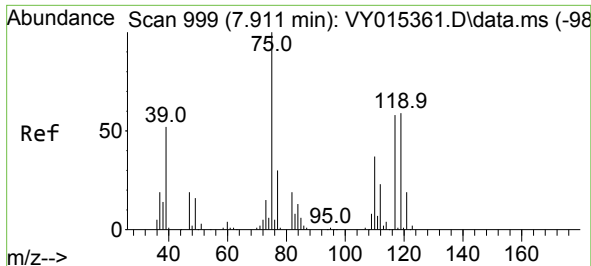
Tgt Ion:114 Resp: 306909
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.317 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

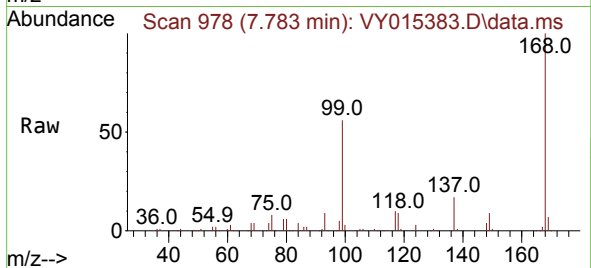
Tgt Ion:113 Resp: 97786
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.6 16.9 25.3



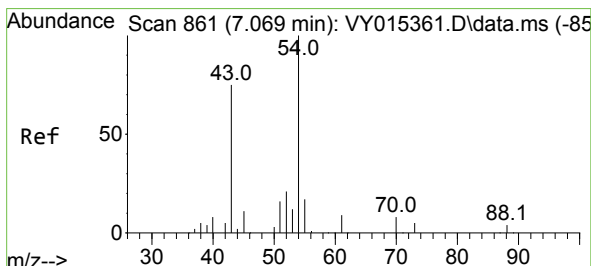
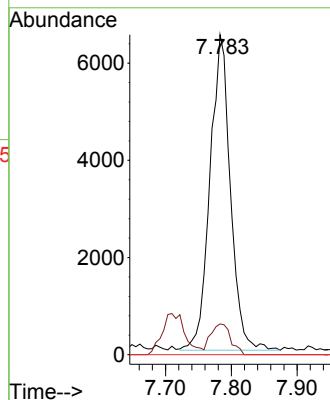
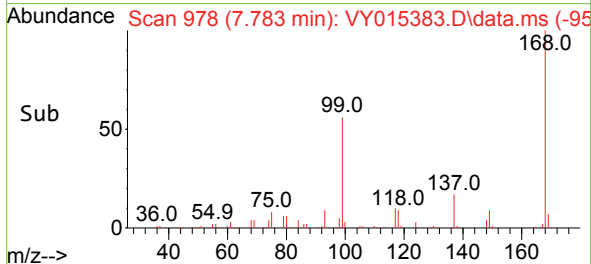


#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

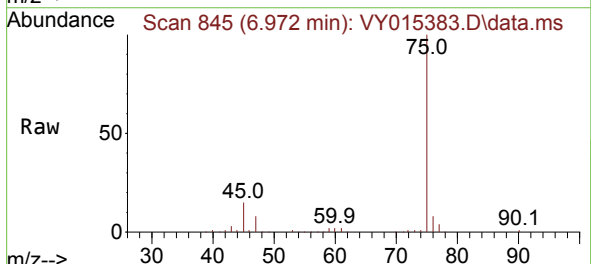
Instrument :
MSVOA_Y
ClientSampleId :



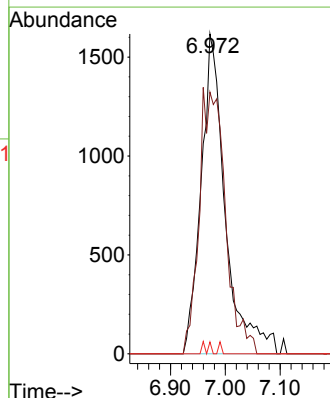
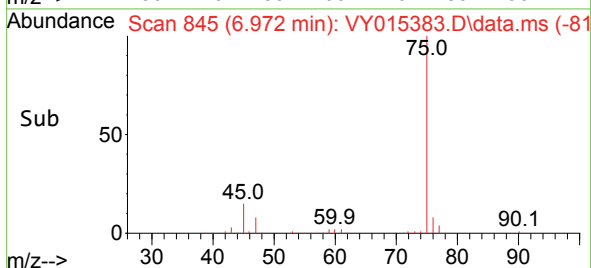
Tgt Ion: 75 Resp: 14073
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

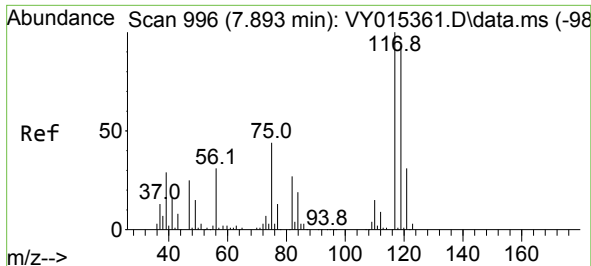


#37
Ethyl Acetate
Concen: 2.070 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24



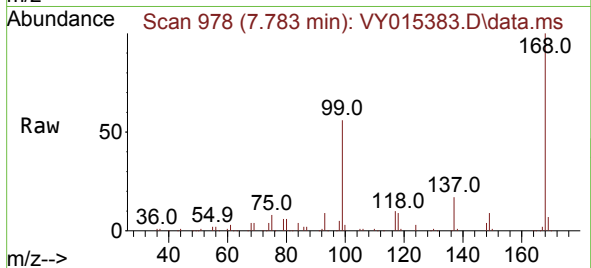
Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
61 90.0 10.1 15.1#
70 0.9 7.1 10.7#



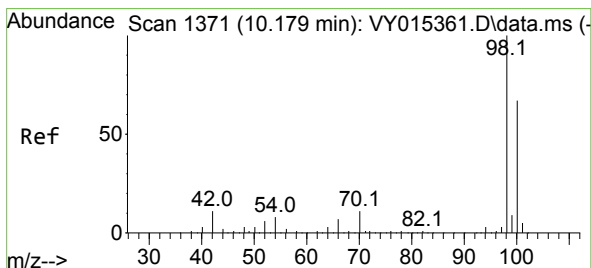
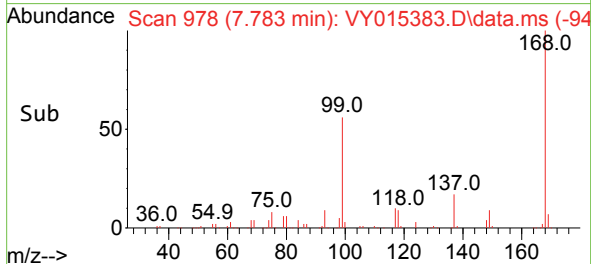
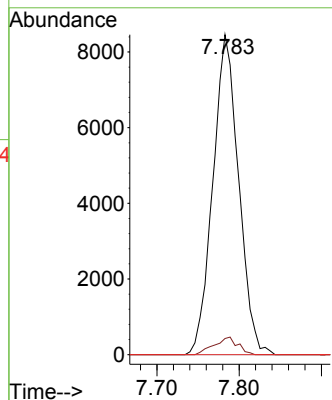


#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :

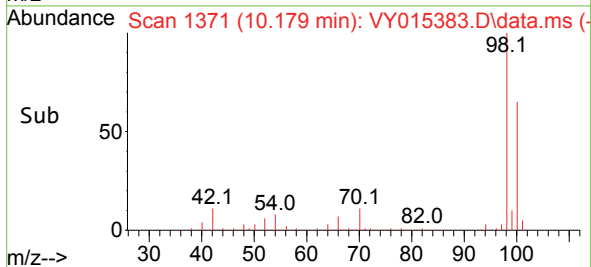
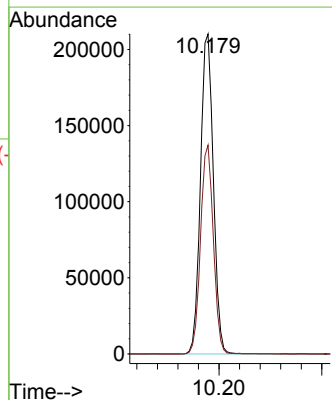
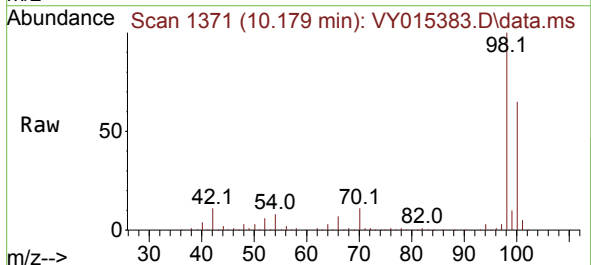


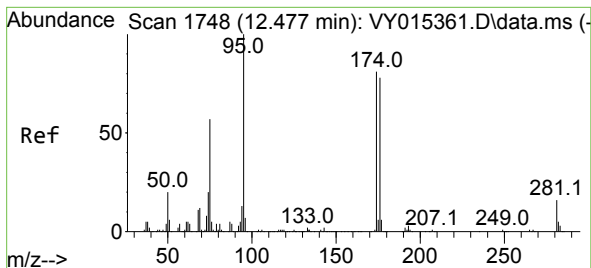
Tgt Ion:117 Resp: 18440
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.978 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

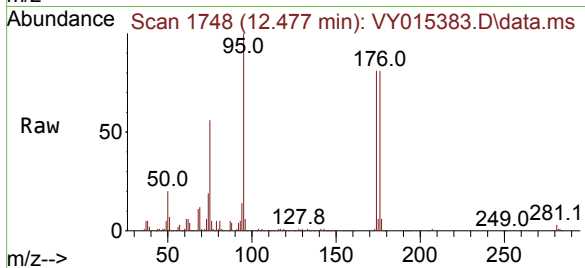
Tgt Ion: 98 Resp: 364752
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



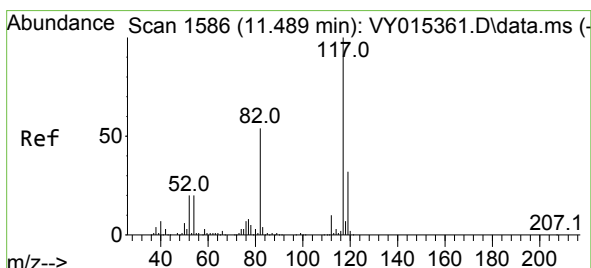
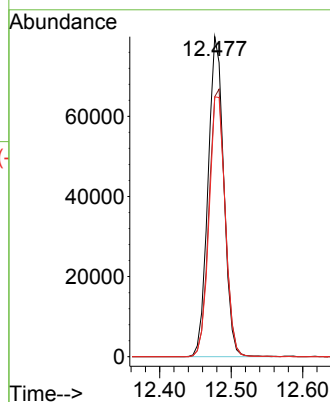
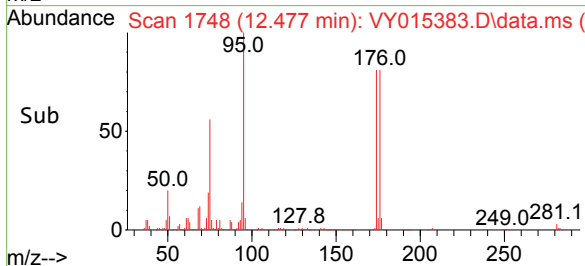


#62
4-Bromofluorobenzene
Concen: 51.414 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :

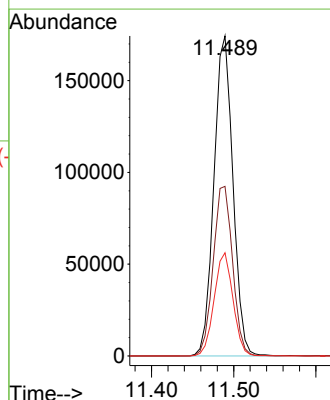
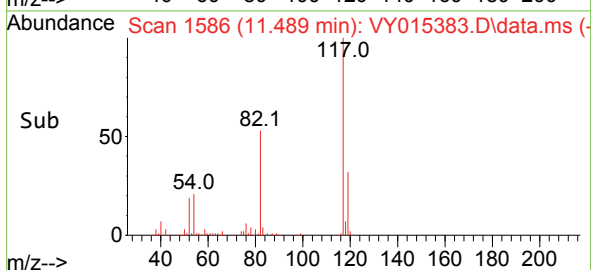
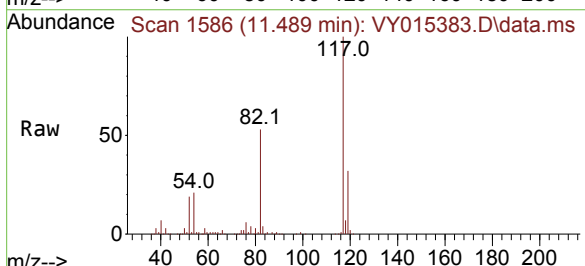


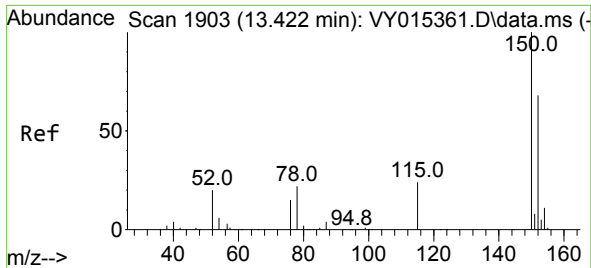
Tgt Ion: 95 Resp: 122185
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 83.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

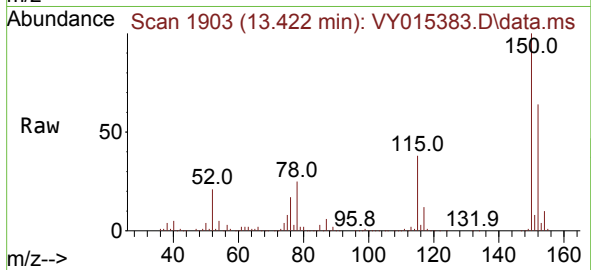
Tgt Ion: 117 Resp: 279785
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.3 26.3 39.5



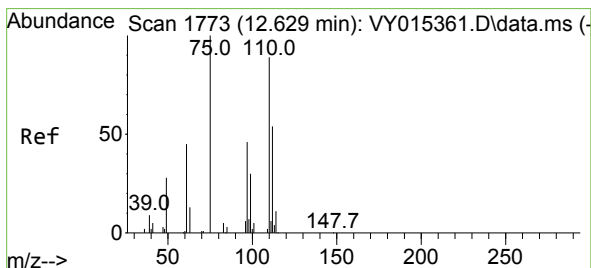
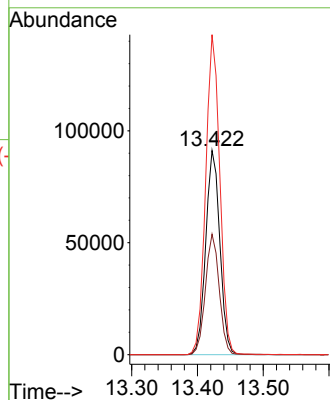
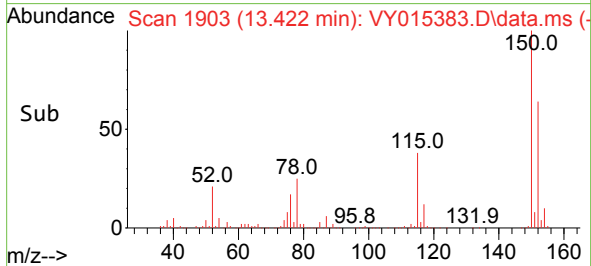


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015383.D
 Acq: 30 Aug 2023 17:24

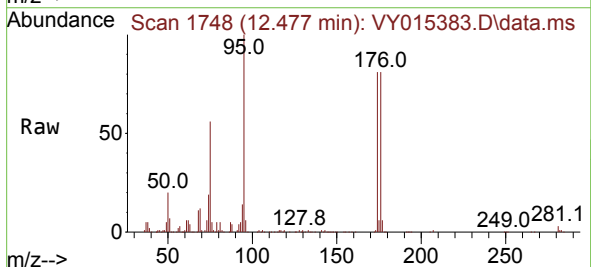
Instrument :
 MSVOA_Y
 ClientSampleId :



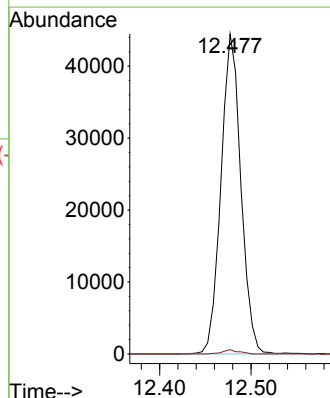
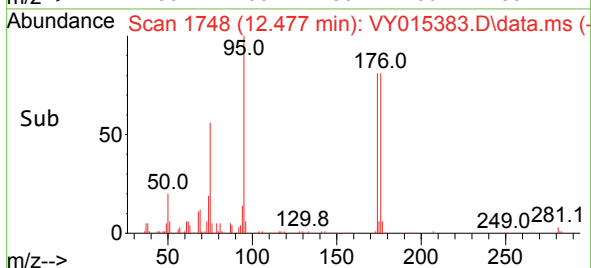
Tgt Ion:152 Resp: 136296
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 156.8 0.0 348.8

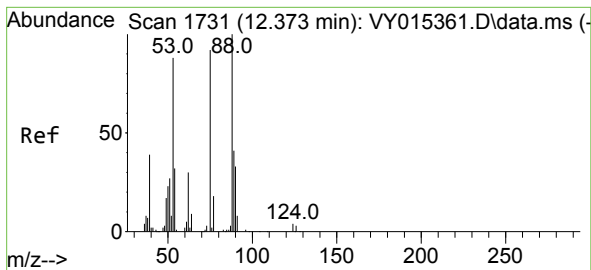


#76
 1,2,3-Trichloropropane
 Concen: 37.416 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015383.D
 Acq: 30 Aug 2023 17:24



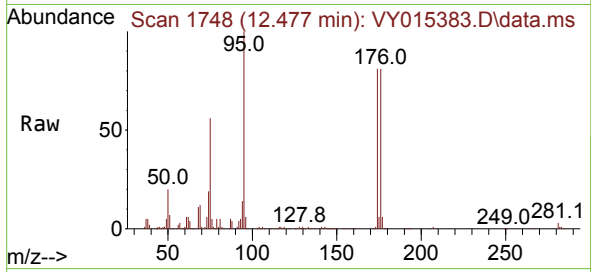
Tgt Ion: 75 Resp: 67349
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.197 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY015383.D
Acq: 30 Aug 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

